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| **Theme:** | **Horticulturist - 16th At Home Zoom Meeting** |

Date: 14 August 2020

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| **Time** | **Min** | **Activity** | | **Equipment** | **Scouter** |
| Good Evening Cubs, I hope you are looking after yourselves and have all the items for tonight’s program. Tonight, we are going to look at what a Horticulturist does but let us first open our meeting with a flag break. Remember to be on mute and allow (cub) to say the Cub Promise. | | | | | |
| 17h30 | 5 | **Opening:**  Welcome cubs and parents  Flag break and repeat Promise | | None | Akela and Cub |
| A horticulturist is someone who cares for plants and studies ways to make them grow better. Horticulturists study many types of plants, including fruits, nuts, herbs, vegetables, and spices. Plants that are used for medicines and teas are also grown by horticulturists. Let’s plant some beans! | | | | | |
| 17h35 | 5 | **Steam Release: Bean Planting Song**  Cubs to do the actions to plant the beans – can use the video link as a guide to create a routine or follow it exactly  <https://www.youtube.com/watch?v=LCKEdDEr82k> | | None | Dragonfly |
| Whew, planting can be hard work. Horticulturists are very good at identifying plants from their leaves and flowers. Can you remember leaves. | | | | | |
| 17h40 | 10 | **Activity: Leafy Kim**  Have a card divided up into squares, each square containing a leaf and its name. Cubs are to be given an identical piece of paper, divided into squares. After looking for a minute, the Cubs must draw the shape of the leaf and write down the name. | | Card with leaves | Chil |
| Plants are essential to life on earth. Without plants the earth would heat up too much, there would not be enough oxygen and there would be no food for many animals, including us. | | | | | |
| 17h50 | 5 | **Video: Rainforests**  <https://www.youtube.com/watch?v=kyZcXKugYV4> | | Video | Bagheera |
| Rainforests are often called the lungs of the planet for their role in absorbing carbon dioxide, a greenhouse gas, and increasing local humidity. Rainforests also stabilize climate, house incredible amounts of plants and wildlife, and produce nourishing rainfall all around the planet. Let us plant our own little rainforest. | | | | | |
| 17h55 | 15 | **Activity: Make a Rainforest terrarium:**  Directions:  About two thirds down the length of your bottle, cut the bottle into two parts with the craft knife or a pair of scissors. The bottom part will be the planter and the top part will be the cover of the terrarium (adult assistance is needed for this part). Add a layer of pebbles to the bottom of the planter. This is good for drainage. Sprinkle on a little of the activated carbon charcoal. This will filter the water and keep your terrarium from getting smelly. Add a barrier layer of moss.  Add the potting soil – enough so that it comes to just below the rim of your planter. If you are using a 2-litre bottle, plant the tiniest tropical plants you can find. Then add a few more patches of moss. If you are using a small bottle, it’s best to skip the plant and use a little of the moss. Optional: find a small toy that would enjoy living in your terrarium; if you can find a rainforest animal, all the better. Lightly water your terrarium.  Cut a short slit down the back of the planter. Push the planter together where you cut the slit and place the cover on top. Put your terrarium in a spot where it will get indirect sunlight. A bedside table or on your desk are great spots.  There is no need to consistently water your rainforest. Moisture will form on the inside of the terrarium and on the plants. That moisture will drip down and water the soil. It’s kind of like a rainforest.  <https://ptaourchildren.org/earth-day-craft-rainforest-in-a-bottle/> | | Clean, plastic water bottle or soda bottle – 2 litre bottles work well, Pebbles, Activated carbon charcoal, Small tropical plants, like a fern, palm or ivy, Moss (Spanish or fresh), Potting soil, Craft knife or pair of scissors, Small animal (optional) | Akela |
| One of the jobs of a horticulturist is to grow plants so that they can be replanted in areas where too many plants have been removed. They help to grow whole forests or green zones. Let’s hear about one boy who was responsible for planting lots of apple trees. | | | | | |
| 18h10 | 5 | **Yarn: Jonny Appleseed** | |  | Granny Baloo |
| Jonny Appleseed spread the seeds far and wide for apple trees to grow. Sometimes seeds spread when they get stuck in an animal’s fur or when birds eat them and then poop them out. Other times plants spread their seeds using the wind. Let’s make our own winged seeds. | | | | | |
| 18h15 | 10 | **Activity: Helicopter seeds.**  <http://www.planet-science.com/categories/under-11s/our-world/2011/09/make-a-spinning-seed!.aspx> | | Strip of paper and paper clip | Kai |
| Well done cubs, I hope you enjoyed the program tonight. Remember to look after your terrariums nicely or give it as a gift to someone.  Let’s do closing now. | | | | | |
| 18h25 | 5 | **Closing:**  Cub Prayer | | None | Volunteer to say cub prayer |
| National Challenge: Life on Land  3. Make a Rainforest Terrarium. | | |  | | |

LEAFY KIMS GAME

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|  | Vectores, imágenes y arte vectorial de stock sobre Robles ... | Acacia branch foliage nature leaf icon flat Vector Image ... |
| BAOBAB | OAK | ACACIA TREE |
| Realistic with rose leaves Royalty Free Vector Image | Green young mango leaves on the tree. | Mulberry Leaf Extract Health Benefits |
| ROSE | MANGO | MULBERRY |
| Grape Vine Leaves Clip Art | Grape Leaf clip art | Grape leaves ... | One single realistic spruce or pine branch leaf Vector Image |  |
| GRAPE | PINE | IVY |

**Yarn: Johnny Appleseed**

Many years ago in America, there lived a boy called Johnny who loved all flowers, animals and trees. He used to climb apple trees, pick an apple and munch away until he came to the core. Then he would take out the little brown apple seeds and plant them.

When Johnny grew up he roamed about the countryside and everywhere he went he carried a big bag full of apple seeds, and showed children he met how to plant them.

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Johnny made special friends with the Red Indians who often gave him food and shelter. Because he was always so happy and cheerful he was nicknamed Johnny Appleseed.

One winter’s night whilst roaming around, Johnny became ill. He fell down in the snow and whilst he lay there a bear came along and sniffed at him, but because Johnny was a friend to animals, the bear did him no harm and wandered off and left him. His friends, the Red Indians, found the footprints of the bear and followed them.

The prints led them to Johnny their old friend. They took him back to their village and nursed him until he was well again. Johnny thanked his friends and once more set off on his travels planting apple seeds as he went.

Occasionally he returned to visit the Red Indians who had saved his life, and was always made welcome because people knew him as the man who had made their country rich with apple trees, where there had been nothing but brown earth.